

**Notice of Allowability**

Application No.

10/038,879

Examiner

Charles Chow

Applicant(s)

COLLINS, DAVID ALLAN

Art Unit

2685

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/13/2004.
2. ☒ The allowed claim(s) is/are 1-4,6,9-16,18,21-28,30 and 33-36.
3. ☒ The drawings filed on 12/31/2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**Detailed Action**

1. Withdraw the objection to the abstract, because applicant has corrected the abstract to less than 150 words.

***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance:

Claims 1-4, 6, 9-16, 18, 21-28, 30, 33-36 are allowable over the prior art of record, the prior art fails to teach singly, particularly, or in combination, the subject matter, with the amended features for in each independent claims with the wherein the first subscriber database server application comprises a **first primary backup group service application** that includes a first primary subscriber data base server application executed on the first call application node and a **first backup subscriber data base server application** associated with the first primary subscriber database service application, the first backup subscriber data base server application **residing on a call application node separate from the first call application node, having plurality of trunk lines,** for the subscriber database load sharing group server application and the subscriber database load sharing group server application selects one of the first and second subscriber database sever applications for the call connection switch, mobile switch center, as shown in independent claims 1, 13, 25. The dependent claims are also allowable due to their dependency upon the independent claims.

The closest patent to Gulliford et al. (US 5,995,831) teaches the node processor 12, 12', communicates with matrix switch 14 via switch interface object 22 for call connection to trunk PSTN 16, for call connection to cellsite 18 via cellsite interface

Art Unit: 2685

object 26 (Fig. 2, col. 4, lines 51-62; col. 3, line 34 to col. 4, line 49), the matrix switch 14 having switch interface object 22 for executing call processing applications, for GSM, Amps, E-Tacs system (col. 3, lines 57-61). Gulliford fails to teach the controller comprising N call application nodes capable of executing plurality of subscriber database server applications that connect a subscriber database to a call connection, and wherein the first subscriber database server application comprises a first primary backup group service application that includes a first primary subscriber data base server application executed on the first call application node and a first backup subscriber data base server application associated with the first primary subscriber database service application, the first backup subscriber data base server application residing on a call application node separate from the first call application node.

Other prior arts in below has been considered, but they fail to teach the above claimed features.

Okanoya et al. (US 6,128,657) teaches the controller 6 comprising server nodes 2-4 (Fig. 1), the database applications 11, 21, 31, running on server 10, 20, 30 respectively for accessing database DB 42, 43 (Fig. 15, col. 10, line 41 to col. 11, line 7), for the database load sharing (col. 1, lines 5-25; col. 2, line 31 to col. 3, line 10).

Okanoya fails to teach the wherein the first subscriber database server application comprises a first primary backup group service application that includes a first primary subscriber data base server application executed on the first call application node and a first backup subscriber data base server application associated with the first primary subscriber database service application, the first backup subscriber

data base server application **residing on** a call application node **separate from the first call application node, having plurality of trunk lines.**

Gehi et al. (US 6,134,216) teaches the over load control for a switch having message process, call processor, plurality of network modules 30 (abstract, Fig. 1-6) based on the long term and short term overload level, state (col. 2, lines 5-35). Gehi et al. fails to teach the wherein the first subscriber database server application comprises a **first primary backup group service application** that includes a first primary subscriber data base server application executed on the first call application node and a **first backup subscriber data base server application** associated with the first primary subscriber database service application, the first backup subscriber data base server application **residing on** a call application node **separate from the first call application node, having plurality of trunk lines.**

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Chow whose telephone number is (703)-306-5615. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (703)-305-4385. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Art Unit: 2685

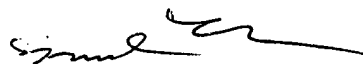
Washington, D.C. 20231

or faxed to: (703) 872-9306 (for Technology Center 2600 only)

Hand-delivered responses should be brought to 220 20<sup>th</sup> Street, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202 (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Charles Chow *C.C.*

December 30, 2004.

  
EDWARD F. URBAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600